

1. A magnetorheological-fluid hydraulic mount comprising:
 - a) a hydraulic-mount partition plate assembly having first and second sides, having a non-magnetorheological-fluid first orifice and a magnetorheological-fluid second orifice, wherein the first orifice has a first terminus disposed at the first side and a second terminus disposed at the second side, and wherein the second orifice has a first end disposed at the first side and has a second end disposed at the second side;
 - b) a hydraulic-mount decoupler operatively connected to the first orifice;
 - c) an electric coil disposed to magnetically influence the second orifice; and
 - d) a flexible membrane assembly having a first membrane portion fluidly-isolating, on the first side of the partition plate assembly, the first end from the first terminus and having a second membrane portion fluidly-isolating, on the second side of the partition plate assembly, the second end from the second terminus.
2. The magnetorheological-fluid hydraulic mount of claim 1, wherein the partition plate assembly has a longitudinal axis and wherein the electric coil is substantially coaxially aligned with the longitudinal axis.
3. The magnetorheological-fluid hydraulic mount of claim 2, wherein the second orifice is a substantially annular orifice substantially coaxially aligned with the longitudinal axis.
4. The magnetorheological-fluid hydraulic mount of claim 3, wherein the second orifice is disposed radially outward from the electric coil.
5. The magnetorheological-fluid hydraulic mount of claim 4, wherein the first orifice is a substantially annular orifice substantially coaxially aligned with the longitudinal axis.

6. The magnetorheological-fluid hydraulic mount of claim 5, wherein the first orifice is disposed radially outward from the second orifice.

5 7. The magnetorheological-fluid hydraulic mount of claim 6, wherein the decoupler is disposed in the first orifice.

8. The magnetorheological-fluid hydraulic mount of claim 7, also including a flexible molded assembly having a flexible working leg attached to the first side
10 of the partition plate assembly and at least partially surrounding the first membrane portion of the flexible membrane assembly and the first terminus of the first orifice.

9. The magnetorheological-fluid hydraulic mount of claim 8, also including a
15 first mounting member attached to the flexible working leg and attachable to a first component of a vehicle.

10. The magnetorheological-fluid hydraulic mount of claim 9, also including a second mounting member surrounding the second membrane portion, attached
20 to the partition plate assembly, and attachable to a second component of a vehicle.

11. A magnetorheological-fluid hydraulic mount comprising:

a) a motor-vehicle hydraulic-mount partition plate assembly having first
25 and second sides, having a non-magnetorheological-fluid first orifice and a magnetorheological-fluid second orifice, wherein the first orifice has a first terminus disposed at the first side and a second terminus disposed at the second side, and wherein the second orifice has a first end disposed at the first side and has a second end disposed at the second side;

30 b) a hydraulic-mount decoupler operatively connected to the first orifice;

c) an electric coil disposed to magnetically influence the second orifice;

- d) a flexible membrane assembly having a first membrane portion surrounding, on the first side of the partition plate assembly, the first end and at least partially defining a hydraulic-mount magnetorheological-fluid pumping chamber and having a second membrane portion surrounding, on the second
5 side of the partition plate assembly, the second end and at least partially defining a hydraulic-mount magnetorheological-fluid reservoir chamber; and
- e) a magnetorheological fluid disposed in the magnetorheological-fluid pumping and reservoir chambers.

10 12. The magnetorheological-fluid hydraulic mount of claim 11, wherein the partition plate assembly has a longitudinal axis and wherein the electric coil is substantially coaxially aligned with the longitudinal axis.

13. The magnetorheological-fluid hydraulic mount of claim 12, wherein the
15 second orifice is a substantially annular orifice substantially coaxially aligned with the longitudinal axis.

14. The magnetorheological-fluid hydraulic mount of claim 13, wherein the second orifice is disposed radially outward from the electric coil.

20 15. The magnetorheological-fluid hydraulic mount of claim 14, wherein the first orifice is a substantially annular orifice substantially coaxially aligned with the longitudinal axis.

25 16. The magnetorheological-fluid hydraulic mount of claim 15, wherein the first orifice is disposed radially outward from the second orifice.

17. The magnetorheological-fluid hydraulic mount of claim 16, wherein the decoupler is disposed in the first orifice.

30 18. The magnetorheological-fluid hydraulic mount of claim 17, also including a flexible molded assembly having a flexible working leg attached to the first side

of the partition plate assembly and at least partially surrounding the first
membrane portion of the flexible membrane assembly and the first terminus of
the first orifice to at least partially define a hydraulic-mount non-
magnetorheological-fluid pumping chamber, and further including a non-
5 magnetorheological fluid disposed in the non-magnetorheological pumping
chamber.

19. The magnetorheological-fluid hydraulic mount of claim 18, also including a
first mounting member attached to the flexible working leg and attachable to a
10 first motor-vehicle component.

20. The magnetorheological-fluid hydraulic mount of claim 19, also including a
second mounting member surrounding the second membrane portion, attached
to the partition plate assembly, and attachable to a second motor-vehicle
15 component.